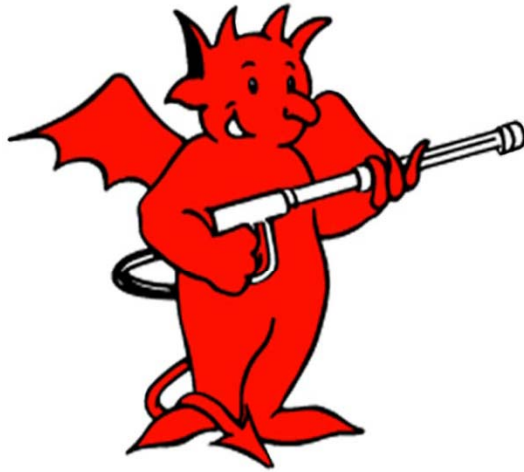


# How to..... Replace the boiler



Tempest Range

This guide will show you how to replace a boiler on a Tempest.

**Recommended spare parts required :**

Inner lid and cone – DB000051

Stainless steel pan – DB000081

Heater Coil – DB000094

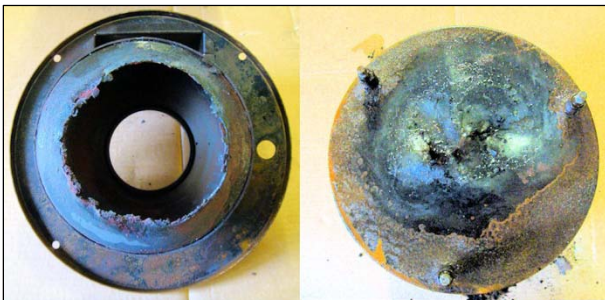
Optional (if service not completed) –

Fuel filter - DB002500

Fuel nozzle – DB000015

**All spare parts can be ordered from Demon call 01752 690690 or**

**Online at [www.demon-pressure-washers.co.uk](http://www.demon-pressure-washers.co.uk)**



This picture shows the kind of damage which is caused to the stainless steel pan and cone through using dirty fuel and not servicing regularly.

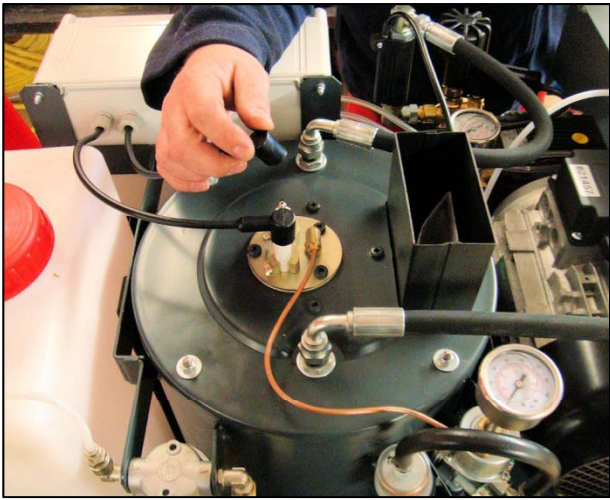
Ensure the machine is switched off and unplugged and that any pressure is released from the trigger.



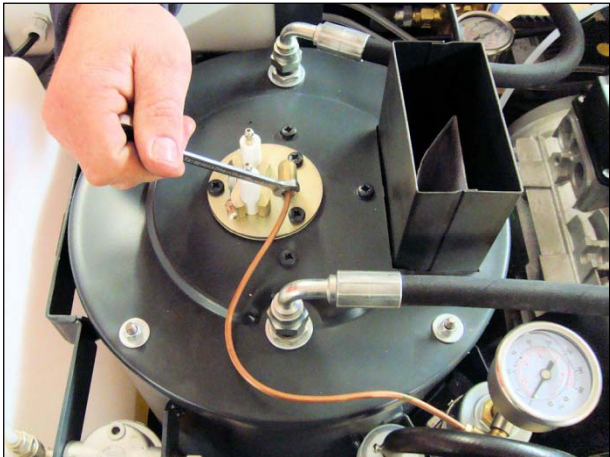
**1.** Assemble the inner drum and stainless steel pan using 3 x M10 x 70mm bolts, place stainless steel pan into the inner drum assembling spacers on the inner drum and tighten nuts from underneath.



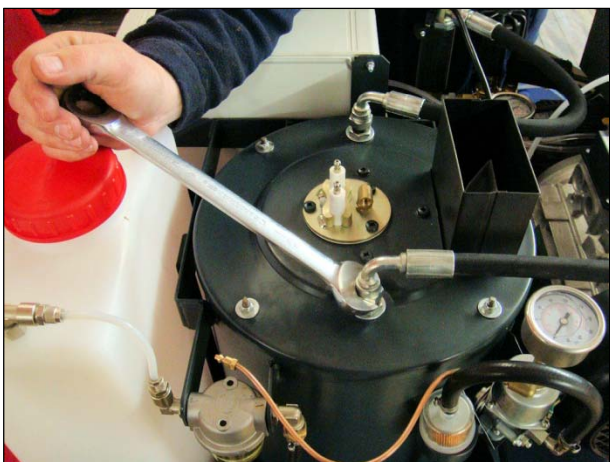
**2.** If you are replacing the inner lid and cone it will come assembled as shown.



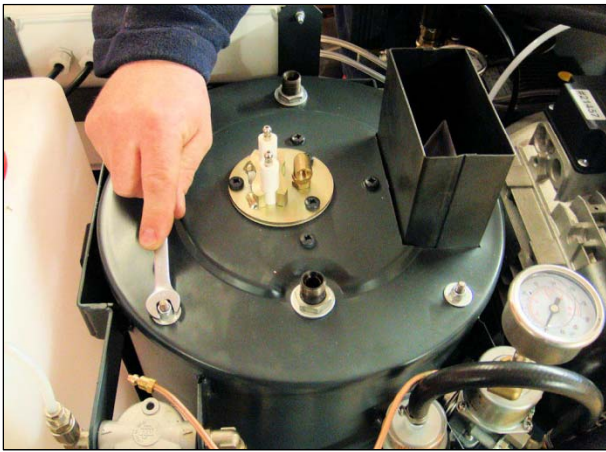
**3.** Disconnect HT leads and move to one side.



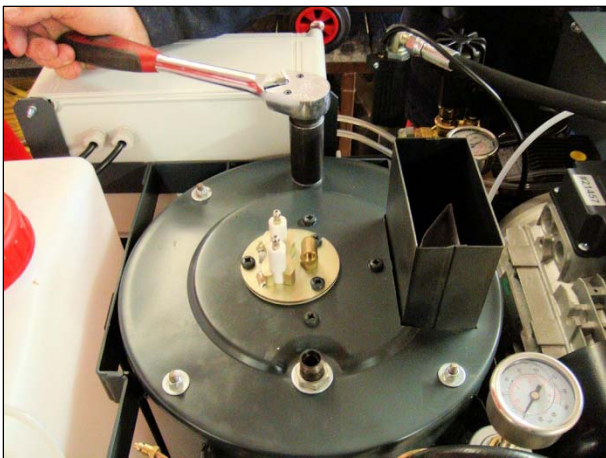
**4.** Disconnect the copper fuel pipe using an 8mm spanner and move to one side.



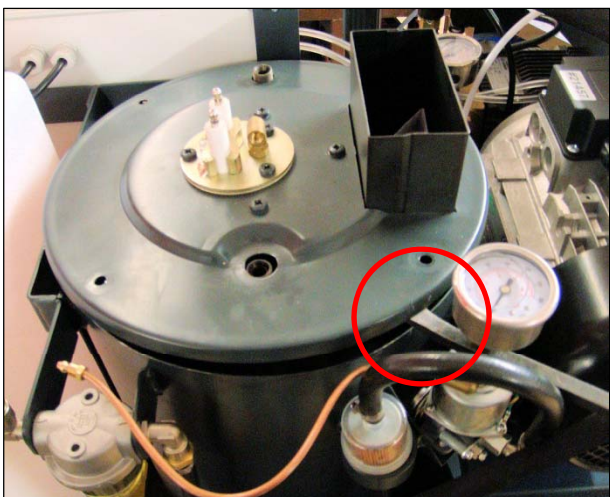
**5.** Disconnect both High Pressure Hoses from the boiler using a 22mm spanner.



**6.** Unscrew M6 Nyloc nuts using a 10mm spanner.



**7.** Unscrew 3/8" lock nuts using 22mm deep socket.

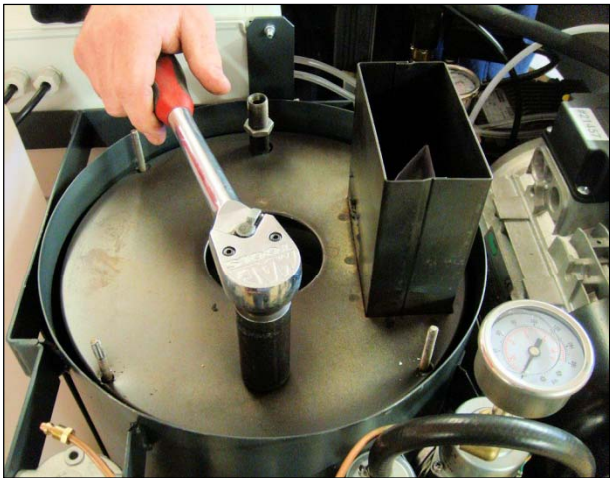


**8.** Gentle prise the lid off with a screwdriver or pry-bar.

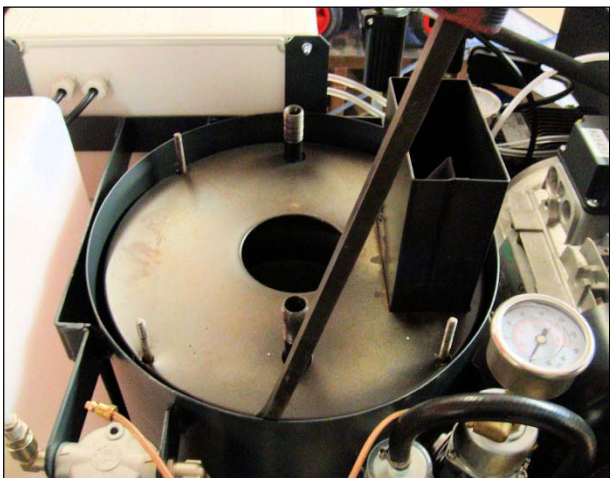




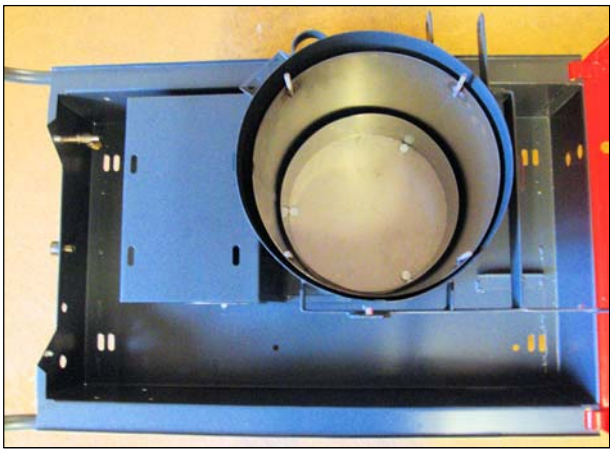
**9.** Unscrew the M6 nuts and spacers using a 10mm spanner.



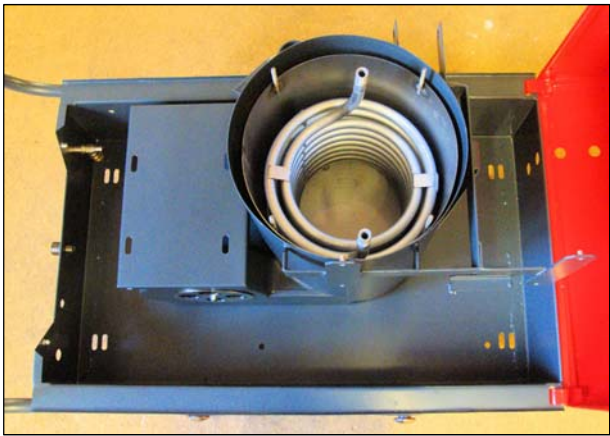
**10.** Unscrew the inner 3/8" lock nuts using a 22mm deep socket.



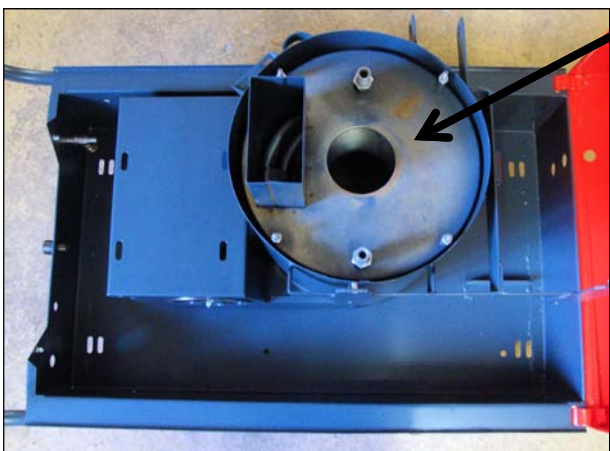
**11.** Use a pry-bar or screwdriver gentle remove the inner lid and cone to expose the coil, inner lid and stainless steel pan and replace if required.



**12.** Take your assembled drum and flame pan and place into the outer boiler housing. Securing with the M10 washer and nyloc underneath the chassis.



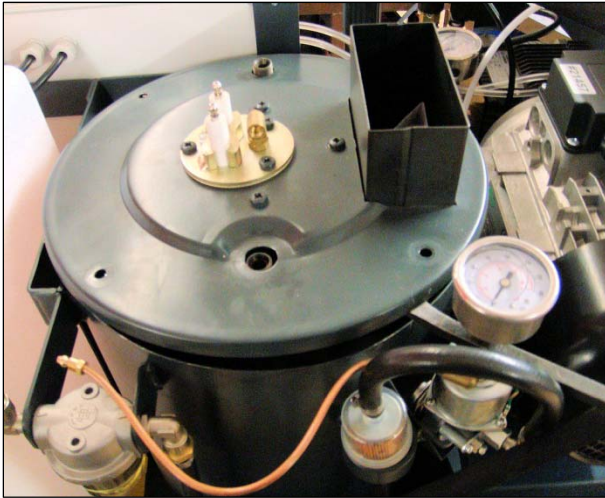
**13.** Place the coil into the stainless steel pan.



Inner lid

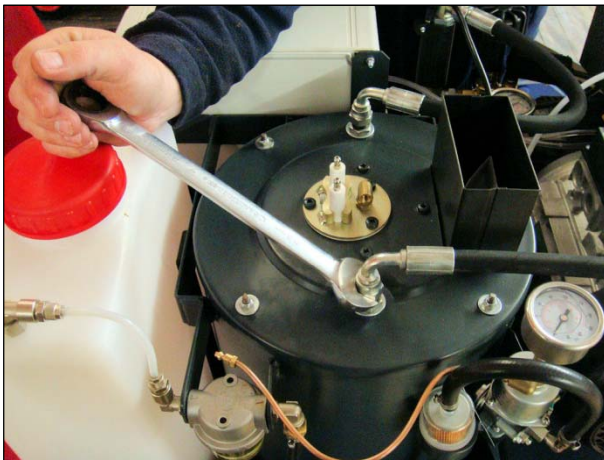
**14.** Then secure the inner lid and cone with 2 x 3/8" nuts and 4 x spacer, 4 x M6 washer and 4 x M6 nut into place.

**NB** – You may have to line up the studs to suit the new parts.

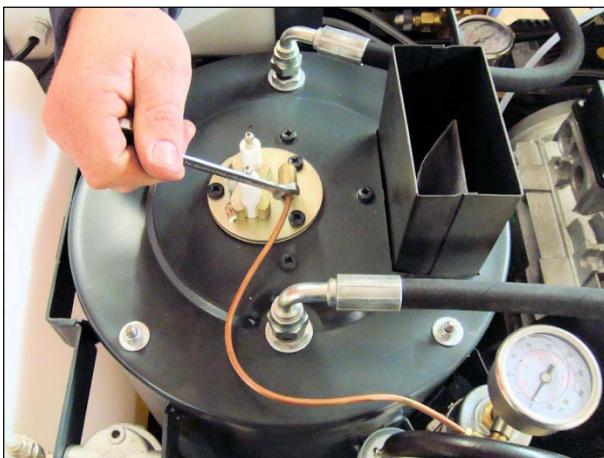


**15.** Place the lid back on and secure 3/8" and nyloc nuts which were taken off.

**NB** – You may need to align the studs and boiler as well as aligning the lid to the outer drum and working it into position with a screwdriver.



**16.** Reconnect high pressure hoses to the top of the burner using a 22mm spanner.



**17.** Reconnect copper fuel pipe with 8mm spanner ensuring it is tight.





**18.** Replace HT leads back onto electrodes.



**19.** You will then need to run the machine up to bleed the pump and obtain pressure on the gauge between 100-110 psi to ensure the correct burn.

You can adjust the pressure up and down using the centre screw which is screwed into a nut on the front of the fuel pump

The boiler change is complete.